

SEQUENCE

<110> Hexima Limited
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Heath, Robyn L.
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<120> Arabinogalactan Protein Compositions and Methods for Fostering Somatic Embryogenic Competence

<130> 123-03 WO

<140> Not assigned
<141> 2005-03-31

<150> US 60/558,609
<151> 2004-03-31

<160> 27

<170> PatentIn version 3.2

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Glu Asp Tyr Ser Xaa Xaa Thr Ser Asn Pro Ile Ala Glu Tyr Lys
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Ile Gln Ile Gly Asp Ser Leu Val
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<221> variation

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<223> Y is C or T; I is inosine; R is A or G; N is inosine.

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<222> (9)..(9)

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Val Gly Pro Phe Ala Phe Glu Pro Lys Cys Tyr
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gctatttctta tagcaactca ac 22

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caaactcaaaa acaaccccaa aacc 24

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22

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ccccttaata attcagcacc

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tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcgccgac 180
tctctcgtgt ggaaatatga tggtggtaaa gactcggtgc tccaagttag taaggaggat 240
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ggccagaaga tgatttggt tgtgatgtct caaaagcata ggtacattgg aatctctcca 420
gcaccttcgc cggttgattt tgaaggtccg gccgttgctc caacaagcgg agttgcaggg 480
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35 40 45

Lys Trp Ala Glu Lys Ala Arg Phe Gln Ile Gly Asp Ser Leu Val Trp
 50 55 60

Lys Tyr Asp Gly Gly Lys Asp Ser Val Leu Gln Val Ser Lys Glu Asp
 65 70 75 80

Tyr Thr Ser Cys Asn Thr Ser Asn Pro Ile Ala Glu Tyr Lys Asp Gly
 85 90 95

Asn Thr Lys Val Lys Leu Glu Lys Ser Gly Pro Tyr Phe Phe Met Ser
 100 105 110

Gly Ala Lys Gly His Cys Glu Gln Gly Gln Lys Met Ile Val Val Val
 115 120 125

Met Ser Gln Lys His Arg Tyr Ile Gly Ile Ser Pro Ala Pro Ser Pro
 130 135 140

Val Asp Phe Glu Gly Pro Ala Val Ala Pro Thr Ser Gly Val Ala Gly
 145 150 155 160

Leu Lys Ala Gly Leu Leu Val Thr Val Gly Val Leu Gly Leu Phe
 165 170 175

<210> 19
 <211> 660
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 gagaactaca atcattgggc tgaaaggaat agattccaag tcaatgatac tctcttttc 180
 aagtacaaga aagggtcaga ctccgtgctg ttggtaacaa gagaagattt cttctcatgc 240
 aacaccaaga acccaattca gtcttaaca gaagggtgatt cactctttac atttgatcgg 300
 tcgggtccct tcttttcat caccggtaac gctgataattt gcaaaaaagg gcaaaagctg 360
 atcgtcgtgg tcatggctgt aagacacaaa ccccagcaac aaccccttc accttctccc 420
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 cctcctgttag agtcaccaaa gagcagtgag gctccatctc atgatgctgtt ggaaccagct 540
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Ser Phe Ile Thr Ser Ser Gln Gly Tyr Lys Phe Tyr Val Gly Gly Arg
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Asp Gly Trp Val Val Ser Pro Ser Glu Asn Tyr Asn His Trp Ala Glu
35 40 45

Arg Asn Arg Phe Gln Val Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys
50 55 60

Gly Ser Asp Ser Val Leu Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys
65 70 75 80

Asn Thr Lys Asn Pro Ile Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe
85 90 95

Thr Phe Asp Arg Ser Gly Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp
100 105 110

Asn Cys Lys Lys Gly Gln Lys Leu Ile Val Val Val Met Ala Val Arg
115 120 125

His Lys Pro Gln Gln Pro Pro Ser Pro Ser Pro Ser Ser Ala Val
130 135 140

Thr Thr Ala Pro Val Ser Pro Pro Thr Leu Pro Ile Pro Glu Thr Asn
145 150 155 160

Pro Pro Val Glu Ser Pro Lys Ser Ser Glu Ala Pro Ser His Asp Ala
165 170 175

Val Glu Pro Ala Pro Pro Glu His Arg Ser Gly Ser Phe Lys Leu Val
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Cys Ser Thr Trp Leu Val Leu Gly Phe Gly Ile Trp Val Ser Met Ala
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Leu Gly Ile Glu Asn Val Val Cys Phe Trp Cys
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<400> 22
ctagattcca atgtacctat gcttttgaga c 31

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Gly Ser Lys Glu Ile Met Val Gly Gly Lys Thr Gly Ala Trp Lys Ile
 35 40 45

Pro Ser Ser Glu Ser Asp Ser Leu Asn Lys Trp Ala Glu Lys Ala Arg
 50 55 60

Phe Gln Ile Gly Asp Ser Leu Val Trp Lys Tyr Asp Gly Gly Lys Asp
 65 70 75 80

Ser Val Leu Gln Val Ser Lys Glu Asp Tyr Thr Ser Cys Asn Thr Ser
 85 90 95

Asn Pro Ile Ala Glu Tyr Lys Asp Gly Asn Thr Lys Val Lys Leu Glu
 100 105 110

Lys Ser Gly Pro Tyr Phe Phe Met Ser Gly Ala Lys Gly His Cys Glu
 115 120 125

Gln Gly Arg Lys Met Ile Val Val Val Met Ser Gln Lys His Arg Tyr
 130 135 140

Ile Gly Ile
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Gly Ser Tyr Lys Phe Tyr Val Gly Gly Arg Asp Gly Trp Val Val Ser
 35 40 45

Pro Ser Glu Asn Tyr Asn His Trp Ala Glu Arg Asn Arg Phe Gln Val
 50 55 60

Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys Gly Ser Asp Ser Val Leu
65 70 75 80

Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys Asn Thr Lys Asn Pro Ile
85 90 95

Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe Thr Phe Asp Arg Ser Gly
100 105 110

Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp Asn Cys Lys Lys Gly Gln
115 120 125

Lys Leu Ile Val Val Val Met Ala Val Arg His Lys Pro Gln Gln Gln
130 135 140

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